TELAAH SCIMAGOJR

Oleh:

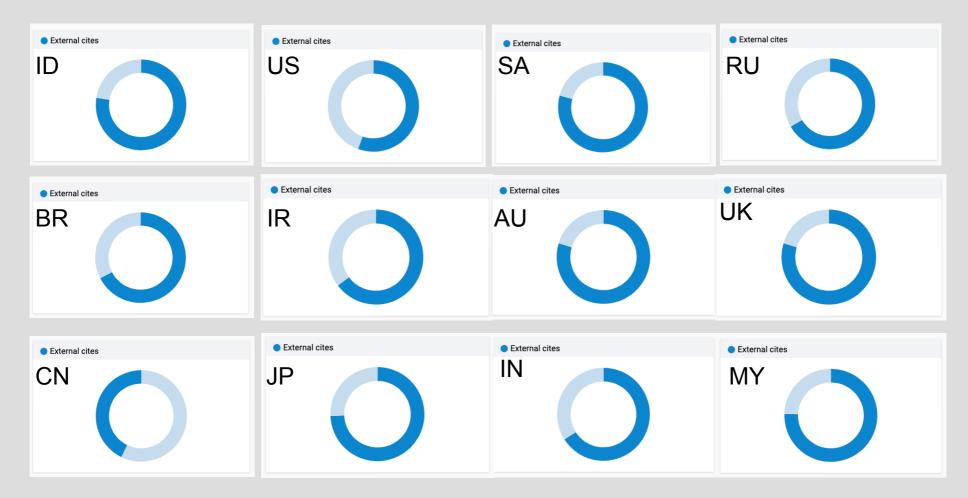
Dasapta Erwin Irawan
Institut Teknologi Bandung, RINarxiv

Metode

- Scimagojr.com
- Menu "Viztools"
- Eksplorasi data

Country graph

Self vs external cites



Self vs External cites External cites External cites external cites **Biochem** Agricultural Business dari Bio Indonesia pada Sci berbagai kategori External cites External cites External cites Computer Chemical Earth Sci **Planet** Eng Sci External cites External cites External cites Energy Material Math Sci

Documents by subject areas												
Agricultural and Biological Sciences	_											
Arts and Humanities	_											
Biochemistry, Genetics and Molecular Biology												
Business, Management and Accounting												
Chemical Engineering												
Chemistry												
Computer Science												
Decision Sciences												
Dentistry												
Earth and Planetary Sciences												
Economics, Econometrics and Finance												
Energy												
Engineering												
Environmental Science												
Health Professions												
Immunology and Microbiology												
Materials Science												
Mathematics												
Medicine												
Multidisciplinary												
Neuroscience	_											
Nursing												
Pharmacology, Toxicology and Pharmaceutics												
Physics and Astronomy												
Psychology												
Social Sciences												
Veterinary	_											
,	1996	1998	2000	2002	2004	2006	2008	2010	2012	2014	2016	2018
							Year					

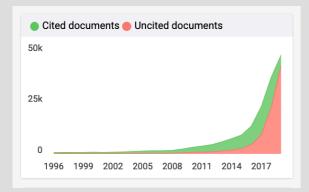
Docs by subject areas

Menunjukkan perkembangan jumlah docs per subject areas tahun 1996-2020

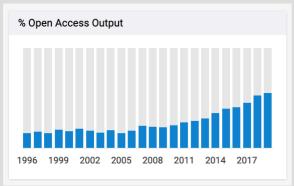
Ada yang berkembang sejak lama (seperti engineering, computer science)

Ada yang belakangan (seperti earth and planetary sciences, energy, physics and astronomy)

Banyak juga yang stagnan (seperti matematika, arts and humanities, agricultural biological sciences)







Jumlah totalnya mengalami peningkatan yang ditandai dengan "tekuk lereng"/ slope break (istilah geomorfologi) pada tahun 2008 (1294), 2012 (3288), 2015 (6106), 2016 (8446).

Jumlah external cites dan selfcites meningkat secara proporsional dengan spike terjadi di tahun 2000, 2009 dan 2014. Penyebab?

Peningkatan jumlah sitasi (sepertinya) berhubungan dengan peningkatan jumlah dokumen berjenis OA.

Output: % of the World % of BRIICS % of Asiatic Region 3.2 2.4 0.8

Proporsi luaran

Pada tahun 2008 = 0,07% dunia dan 0,28% asiatik

Pada tahun 2019 = 1,36% dunia dan 3,54% asiatik



% kolaborasi internasional

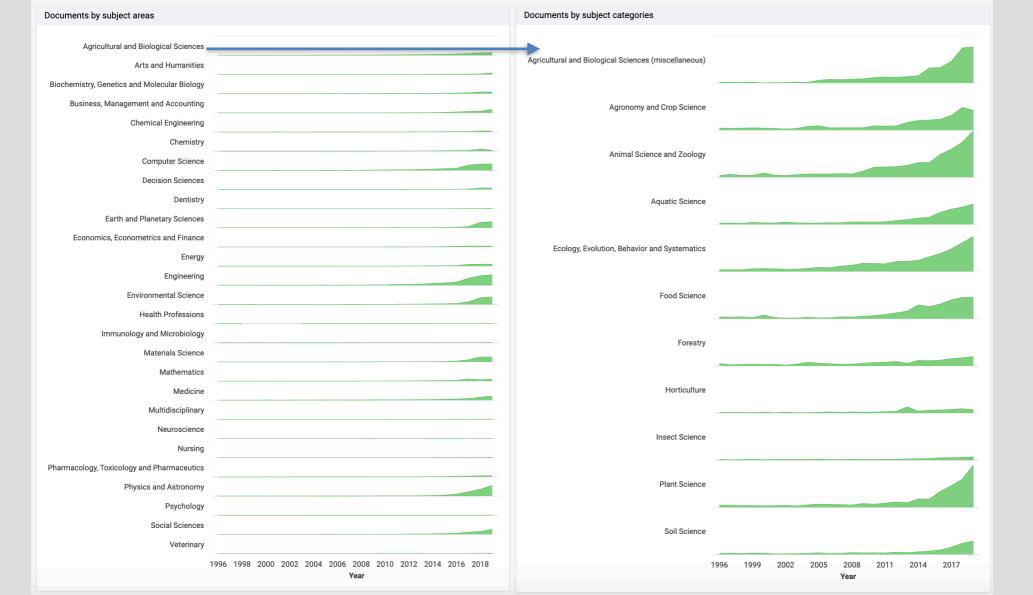
Menunjukkan % dokumen yang ditulis bersama dengan penulis dari negara lain.

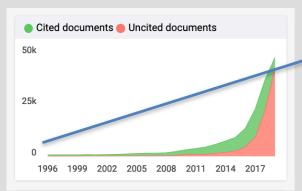
Menurun. Penyebab?

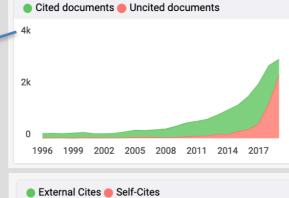
Sekarang kita bandingkan dengan kondisi

pada beberapa subject area

Agricultural and biological sciences

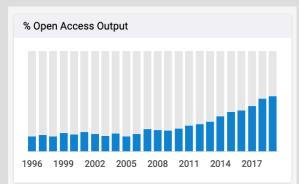


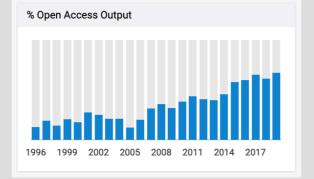


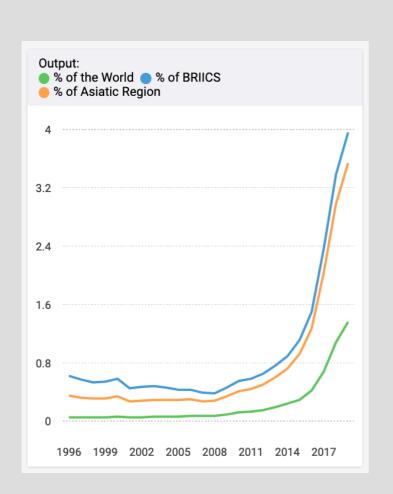


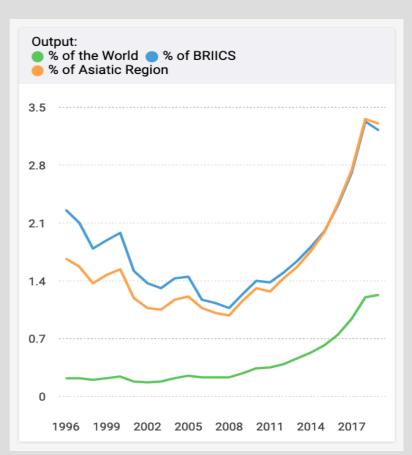










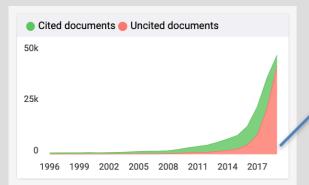




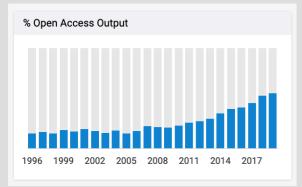


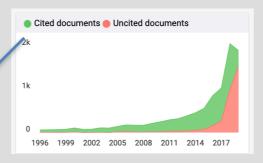
Biochemistry, genetics, and molecular biology

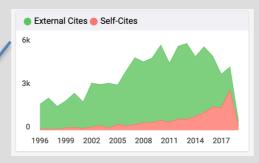
Documents by subject areas		Documents by subject categories	
Agricultural and Biological Sciences Arts and Humanities		Aging	
Biochemistry, Genetics and Molecular Biology		Biochemistry	
Business, Management and Accounting			
Chemical Engineering		Biochemistry, Genetics and Molecular Biology (miscellaneous)	
Chemistry			
Computer Science		Biophysics	
Decision Sciences		Biotechnology	
Dentistry		bioteciniology	
Earth and Planetary Sciences		Cancer Research	
Economics, Econometrics and Finance			
Energy		Cell Biology	
Engineering			
Environmental Science		Clinical Biochemistry	
Health Professions		Developmental Biology	
Immunology and Microbiology			
Materials Science		Endocrinology	
Mathematics			
Medicine		Genetics	
Multidisciplinary			
Neuroscience		Molecular Biology	
Nursing Pharmacology, Toxicology and Pharmaceutics		Molecular Medicine	
Physics and Astronomy			
Psychology		Physiology	
Social Sciences			
Veterinary		Structural Biology	
	1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018	1	1996 1999 2002 2005 2008 2011 2014 2017
	Year		Year

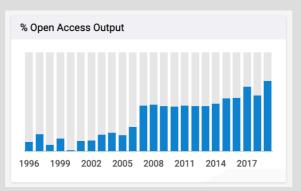


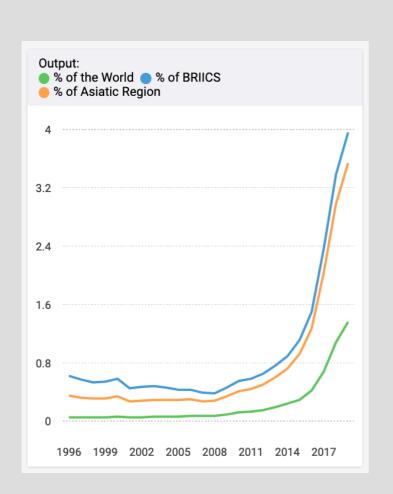


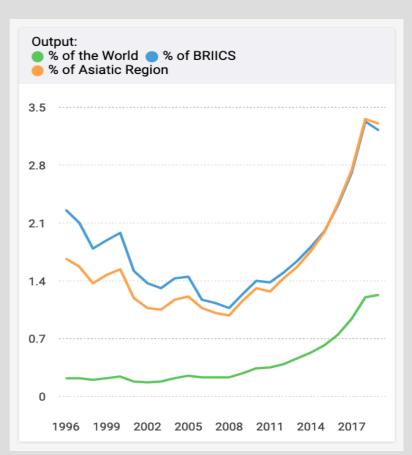




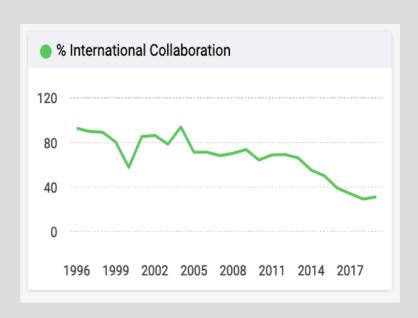






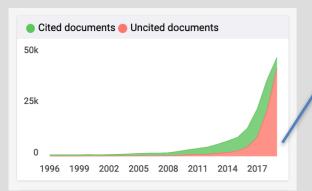




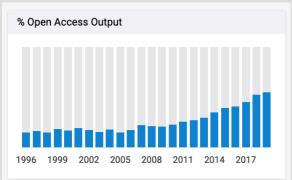


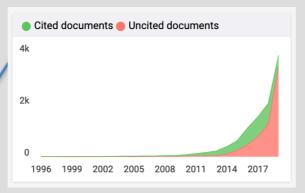
Business, management, accounting

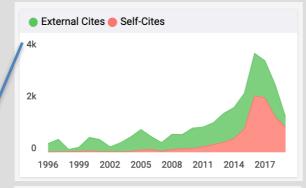
Documents by subject areas		Documents by subject categories								
Agricultural and Biological Sciences Arts and Humanities Biochemistry, Genetics and Molecular Biology		Accounting								
Business, Management and Accounting		Business and International Management								
Chemical Engineering		business and international Management								
Chemistry										
Computer Science		Business, Management and Accounting (miscellaneous)								
Decision Sciences										
Dentistry										
Earth and Planetary Sciences		Industrial Relations								
Economics, Econometrics and Finance										
Energy										
Engineering		Management Information Systems								
Environmental Science										
Health Professions		Management of Technology and Innovation								
Immunology and Microbiology										
Materials Science										
Mathematics		Marketing								
Medicine										
Multidisciplinary										
Neuroscience		Organizational Behavior and Human Resource Management								
Nursing										
Pharmacology, Toxicology and Pharmaceutics		Strategy and Management								
Physics and Astronomy		Strategy and Management								
Psychology										
Social Sciences		Tourism, Leisure and Hospitality Management								
Veterinary										
	1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 Year		1996	1999	2002	2005	2008 Year	2011	2014	2017

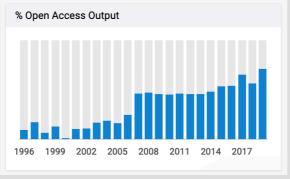


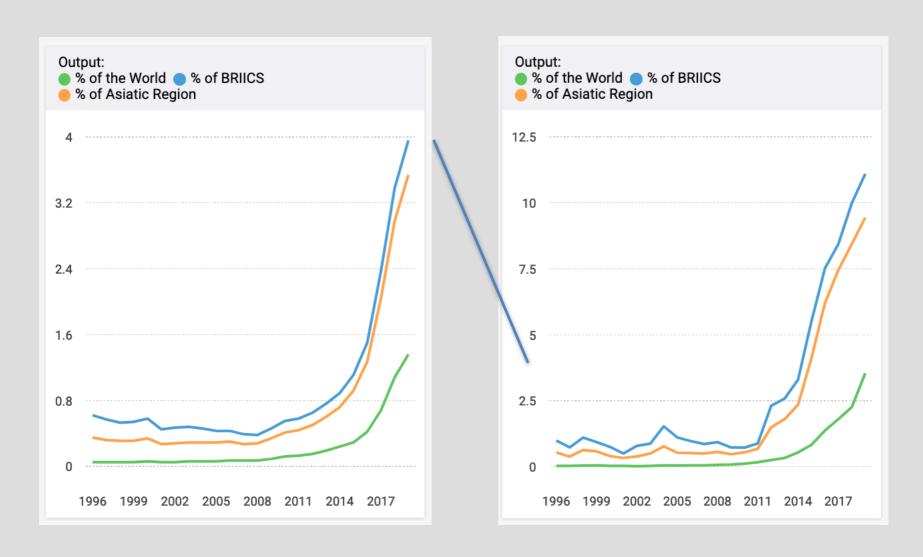




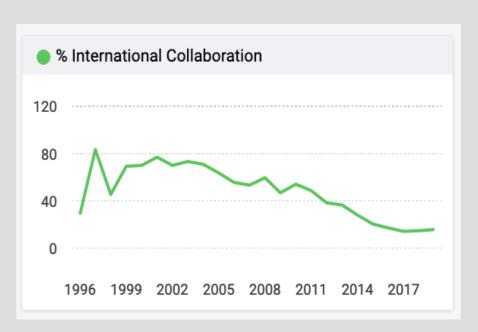






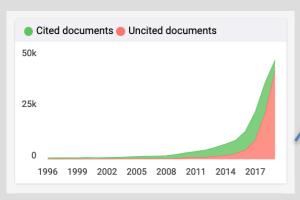




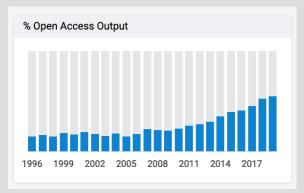


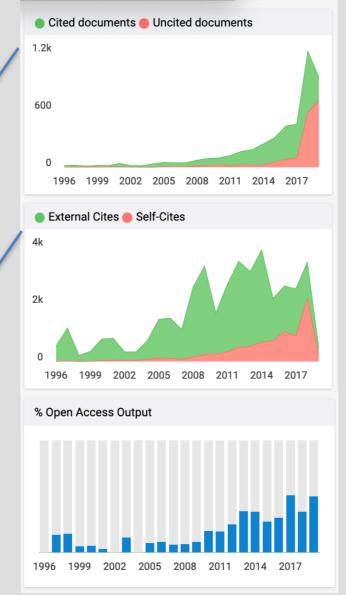
Chemical engineering

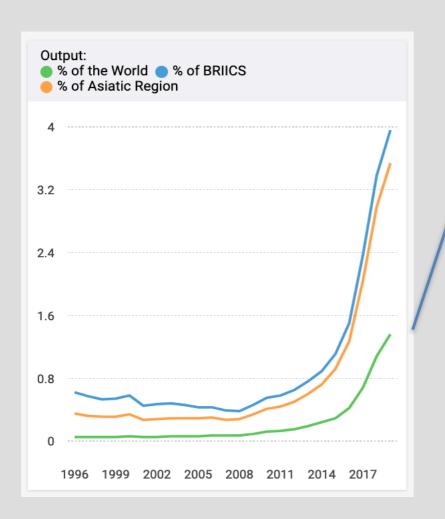
Documents by subject areas		Documents by subject categories	
Agricultural and Biological Sciences Arts and Humanities Biochemistry, Genetics and Molecular Biology Business, Management and Accounting		Bioengineering	
Chemical Engineering			
Chemistry		Catalysis	
Computer Science			
Decision Sciences			
Dentistry		Chemical Engineering (miscellaneous)	
Earth and Planetary Sciences			
Economics, Econometrics and Finance			
Energy		Chemical Health and Safety	
Engineering		Chemical Health and Safety	
Environmental Science			
Health Professions			
Immunology and Microbiology		Colloid and Surface Chemistry	
Materials Science			
Mathematics			
Medicine		Filtration and Separation	
Multidisciplinary			
Neuroscience			
Nursing		Fluid Flow and Transfer Processes	
Pharmacology, Toxicology and Pharmaceutics			
Physics and Astronomy			
Psychology			
Social Sciences		Process Chemistry and Technology	
Veterinary			
	1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 Year		1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 Year
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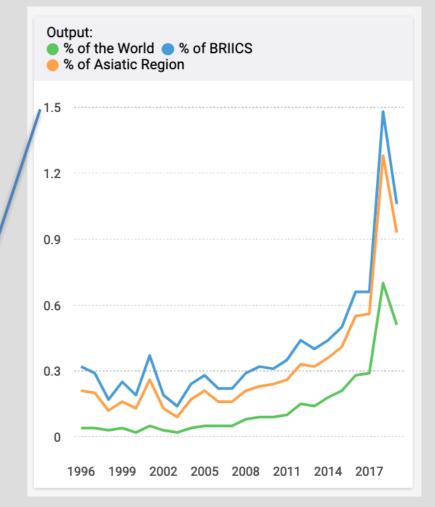


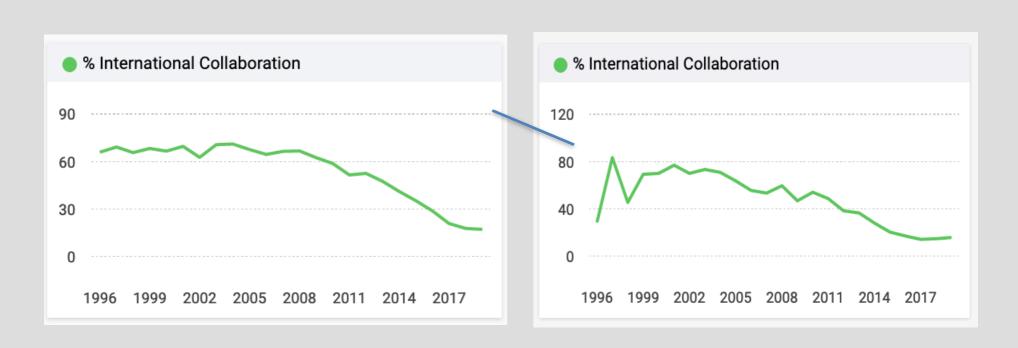






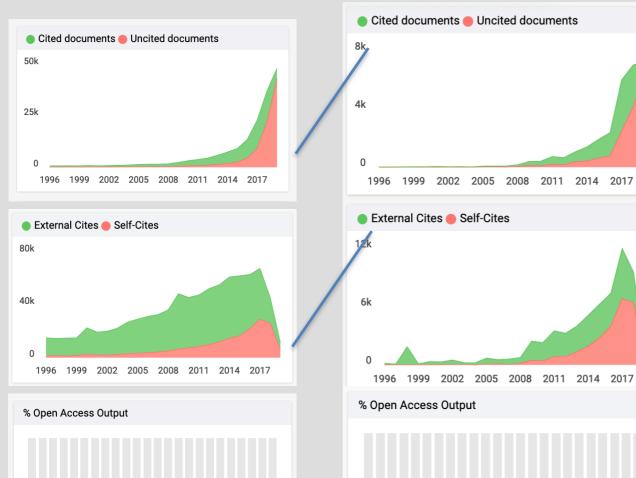






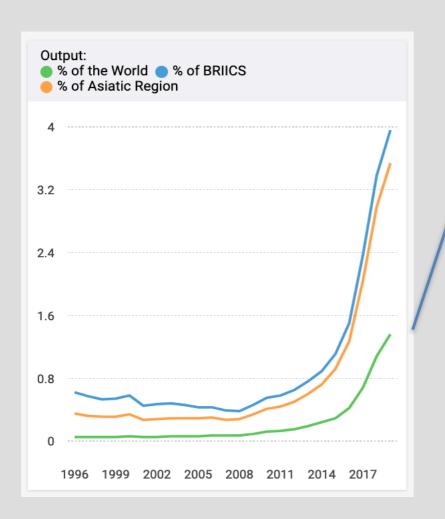
Computer sciences

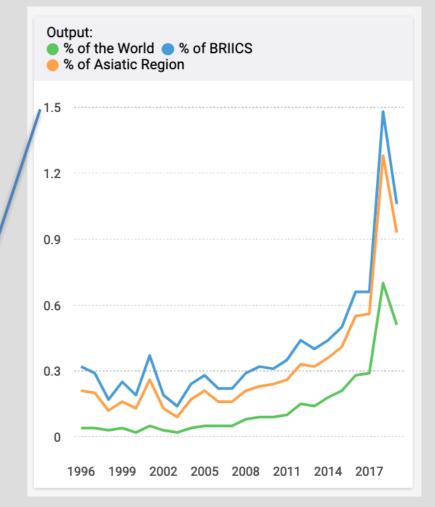
Documents by subject areas		Documents by subject categories							
Agricultural and Biological Sciences Arts and Humanities Biochemistry, Genetics and Molecular Biology		Artificial Intelligence Computational Theory and Mathematics							
Business, Management and Accounting		,							
Chemical Engineering									
Chemistry		Computer Graphics and Computer-Aided Design							
Computer Science									
Decision Sciences		Computer Networks and Communications							
Dentistry									
Earth and Planetary Sciences Economics, Econometrics and Finance		Computer Science Applications							
Energy									
Engineering		Computer Science (miscellaneous)							
Environmental Science									
Health Professions		Computer Vision and Pattern Recognition							
Immunology and Microbiology		computer vision and rattern recognition							
Materials Science									
Mathematics		Hardware and Architecture							
Medicine									
Multidisciplinary		Human-Computer Interaction							
Neuroscience				_					
Nursing		Information Systems							
Pharmacology, Toxicology and Pharmaceutics									
Physics and Astronomy		Signal Processing							
Psychology									
Social Sciences		Software							
Veterinary									
	1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 Year		1996 1	999 2002	2 2005	2008 Year	2011	2014	2017



2005 2008 2011 2014 2017

2002 2005 2008 2011 2014 2017

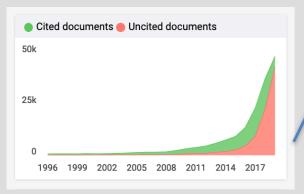




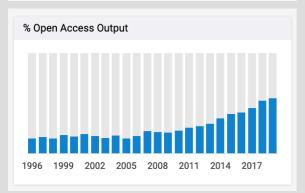


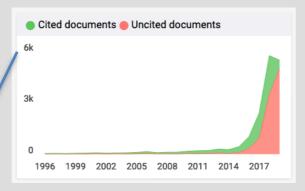
Material sciences

Documents by subject areas		Documents by subject categories	
Agricultural and Biological Sciences Arts and Humanities Biochemistry, Genetics and Molecular Biology		Biomaterials	
Business, Management and Accounting Chemical Engineering Chemistry		Ceramics and Composites	
Computer Science Decision Sciences Dentistry		Electronic, Optical and Magnetic Materials	
Earth and Planetary Sciences Economics, Econometrics and Finance Energy		Materials Chemistry	
Engineering Environmental Science Health Professions		Materials Science (miscellaneous)	
Immunology and Microbiology Materials Science Mathematics		Metals and Alloys	
Medicine Multidisciplinary Neuroscience		Nanoscience and Nanotechnology	
Nursing Pharmacology, Toxicology and Pharmaceutics Physics and Astronomy		Polymers and Plastics	
Psychology Social Sciences Veterinary		Surfaces, Coatings and Films	
	1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 Year	1	996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 Year

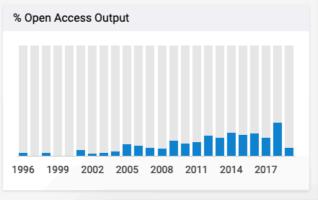


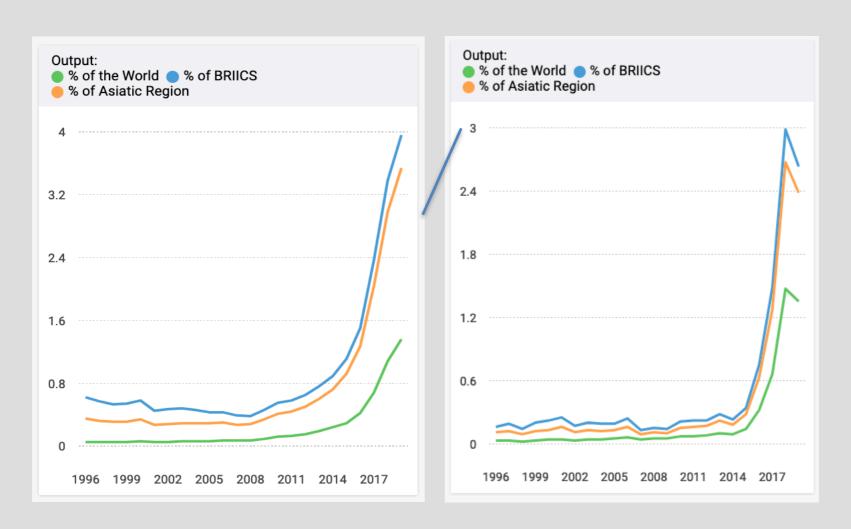


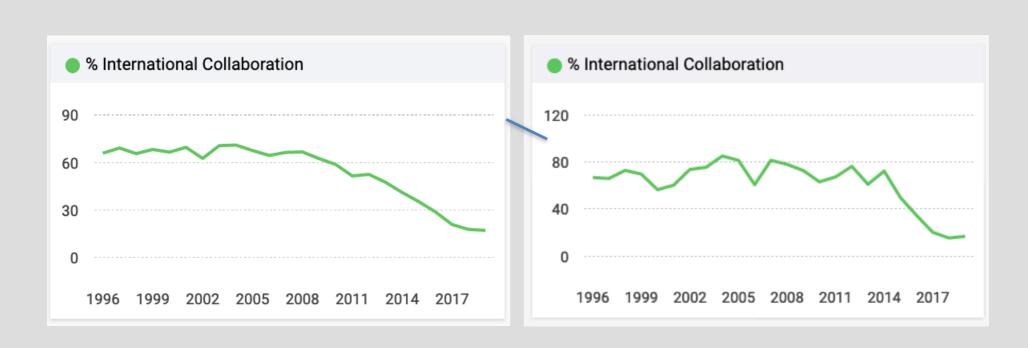






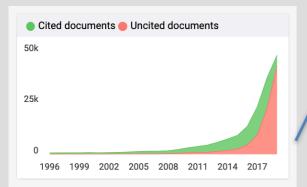




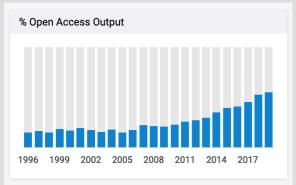


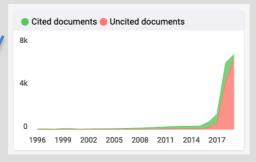
Earth and planetary science

Documents by subject areas		Documents by subject categories							
Agricultural and Biological Sciences Arts and Humanities		Atmospheric Science							
Biochemistry, Genetics and Molecular Biology		Computers in Earth Sciences							
Business, Management and Accounting		Computers in Earth Sciences							
Chemical Engineering		Earth and Planetary Sciences (miscellaneous)							
Chemistry		Earth and Franctary Sciences (miscenaneous)							
Computer Science		Forth Curfose Pressure							
Decision Sciences		Earth-Surface Processes							
Dentistry		Farancia Octobra							
Earth and Planetary Sciences		Economic Geology							
Economics, Econometrics and Finance		0.1							
Energy		Geochemistry and Petrology							
Engineering									
Environmental Science		Geology							
Health Professions									
Immunology and Microbiology		Geophysics							
Materials Science									
Mathematics		Geotechnical Engineering and Engineering Geology							
Medicine									
Multidisciplinary Neuroscience		Oceanography							
Neuroscience									
Pharmacology, Toxicology and Pharmaceutics		Paleontology							
Physics and Astronomy									
Psychology		Space and Planetary Science							
Social Sciences									
Veterinary		Stratigraphy							
•	1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018		1996 199	99 2002	2005	2008	2011	2014	2017
	Year					Year			

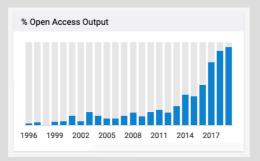


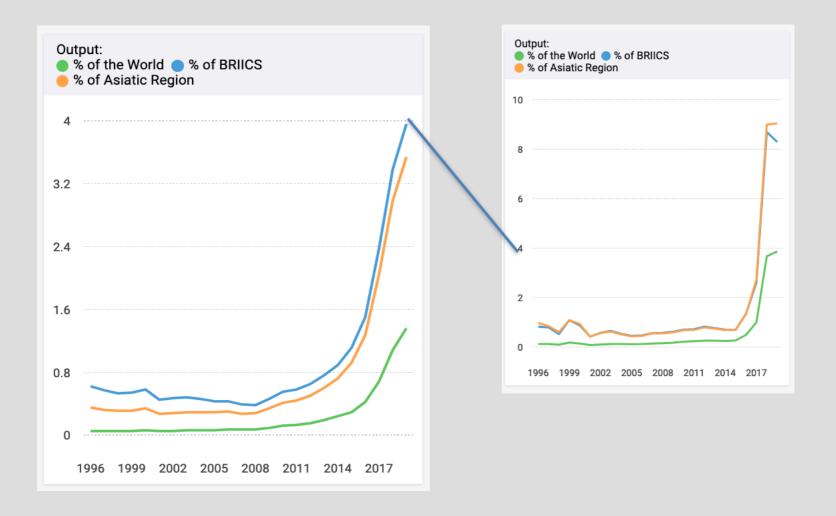


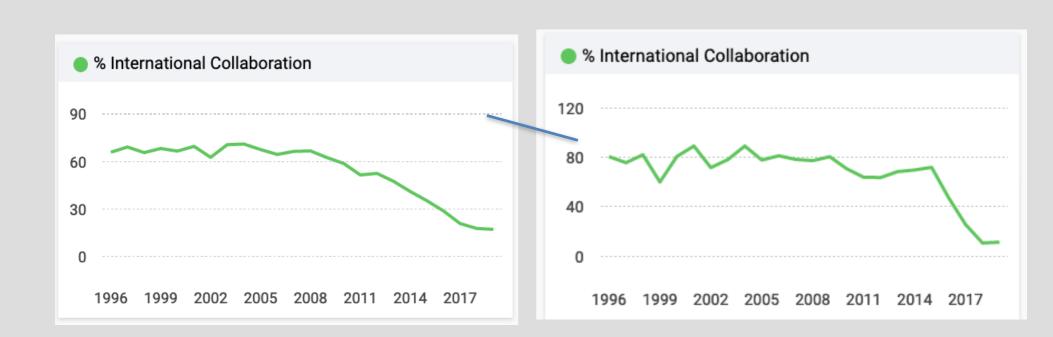




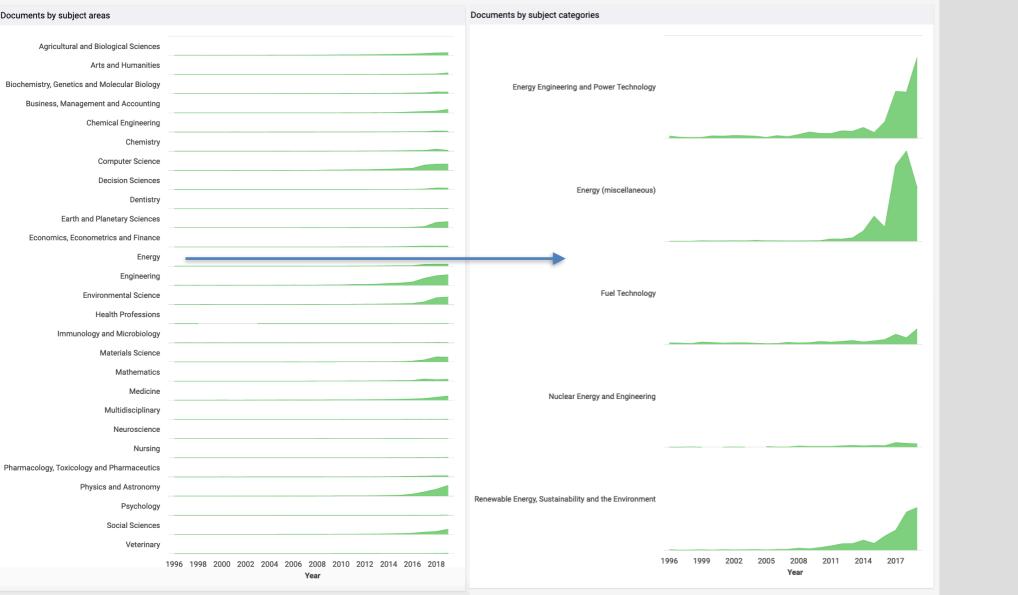


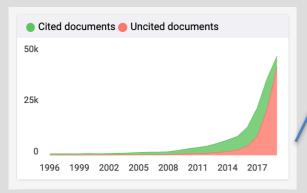


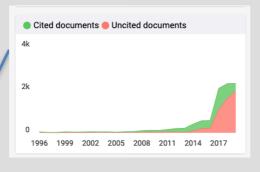




Energy

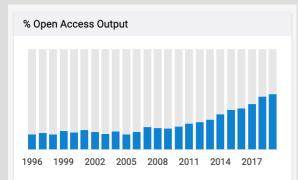


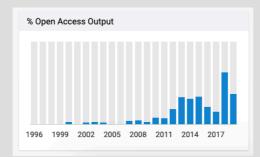


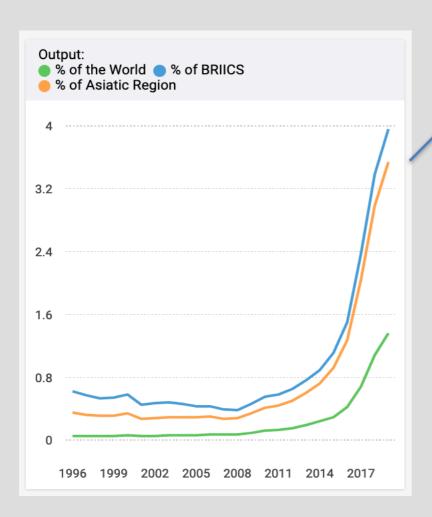


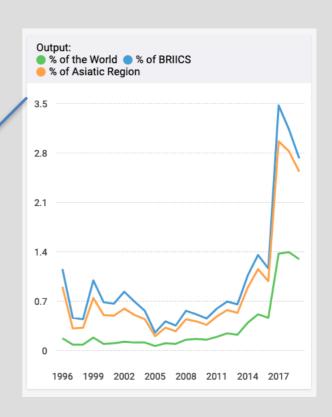




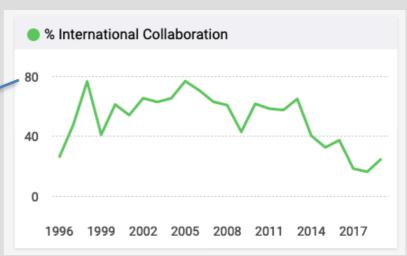






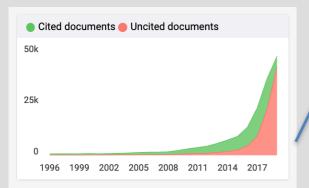


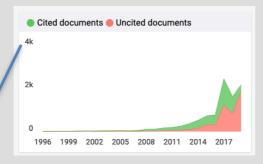




Mathematics

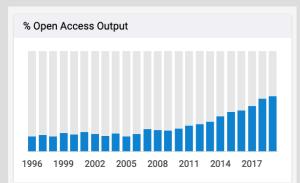
Documents by subject areas		ocuments by subject categories	
Agricultural and Biological Sciences Arts and Humanities		Algebra and Number Theory	
Biochemistry, Genetics and Molecular Biology		Analysis	
Business, Management and Accounting		Allayolo	
Chemical Engineering		Applied Mathematics	
Chemistry			
Computer Science		Computational Mathematics	
Decision Sciences			
Dentistry		Control and Optimization	
Earth and Planetary Sciences			
Economics, Econometrics and Finance		Discrete Mathematics and Combinatorics	
Energy			
Engineering		Geometry and Topology	
Environmental Science			
Health Professions		Logic	
Immunology and Microbiology			-
Materials Science		Mathematical Physics	
Mathematics			
Medicine		Mathematics (miscellaneous)	
Multidisciplinary			
Neuroscience		Modeling and Simulation	
Nursing		Numerical Analysis	
Pharmacology, Toxicology and Pharmaceutics		Numerical Analysis	
Physics and Astronomy		Statistics and Probability	
Psychology		Statistics and Probability	
Social Sciences		Theoretical Computer Science	
Veterinary			
	1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 Year		1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 Year

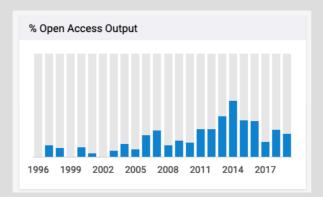


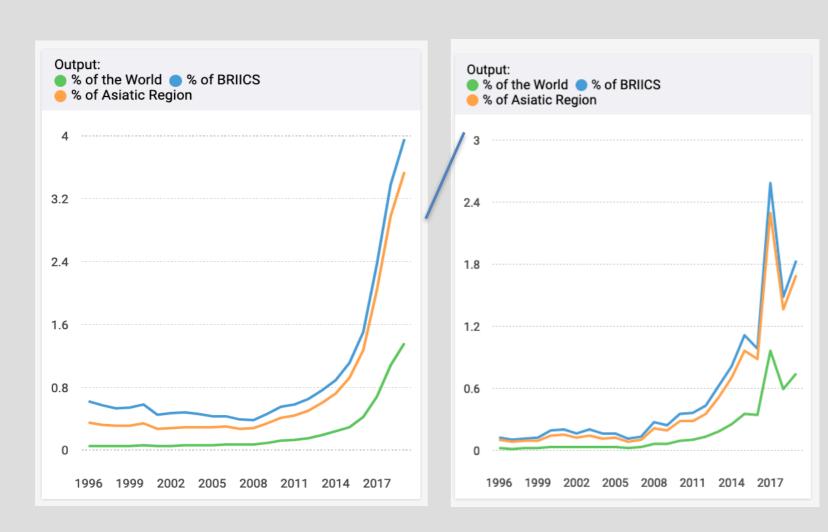








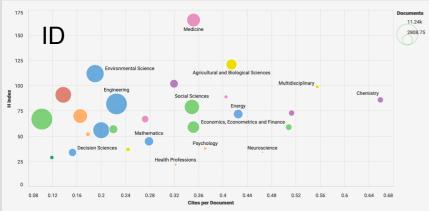


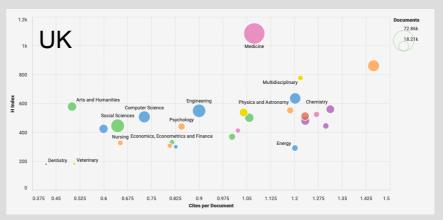


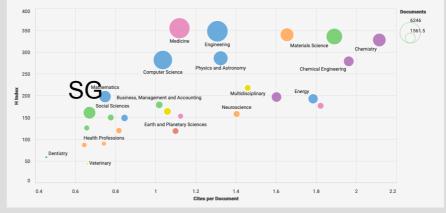
H index and cites per doc

Scimagojr -> VizTools -> Bubble chart



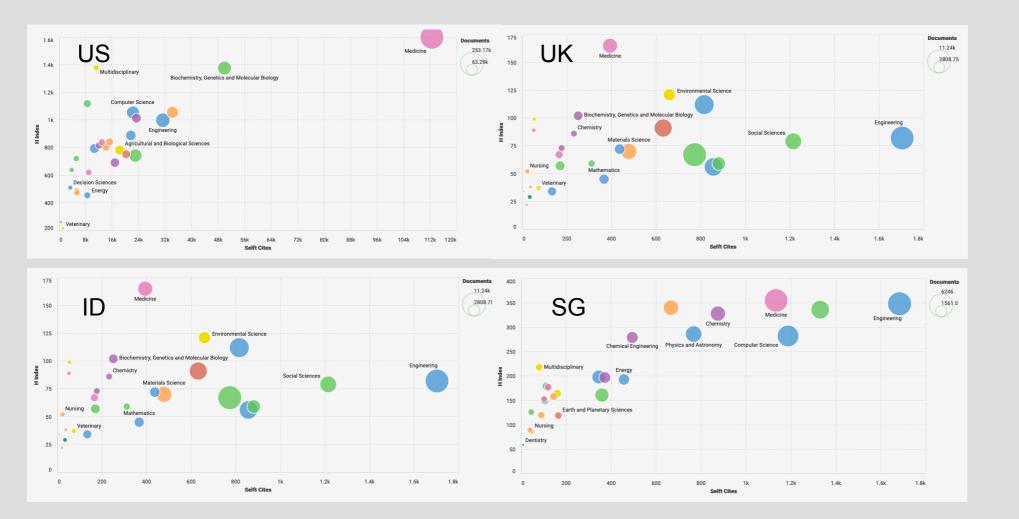






H index and self cites

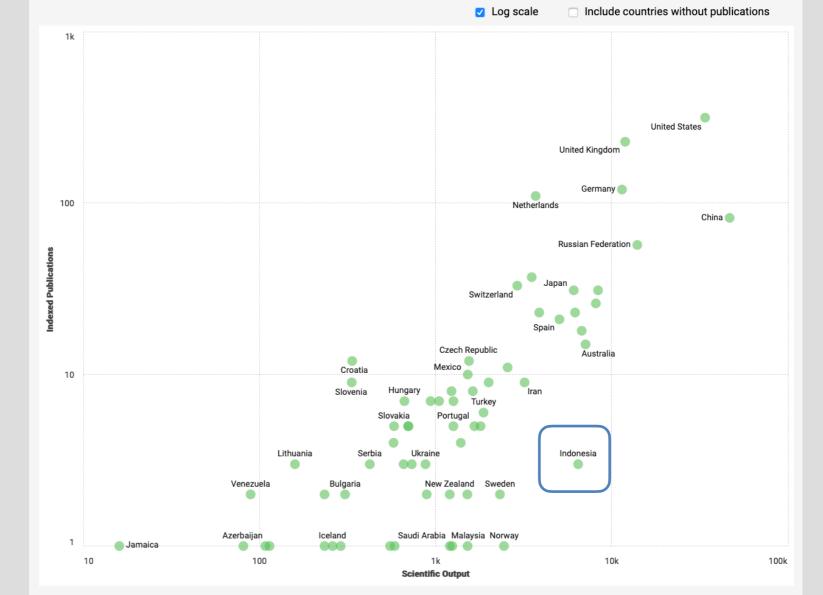
Scimagojr -> VizTools -> Bubble chart



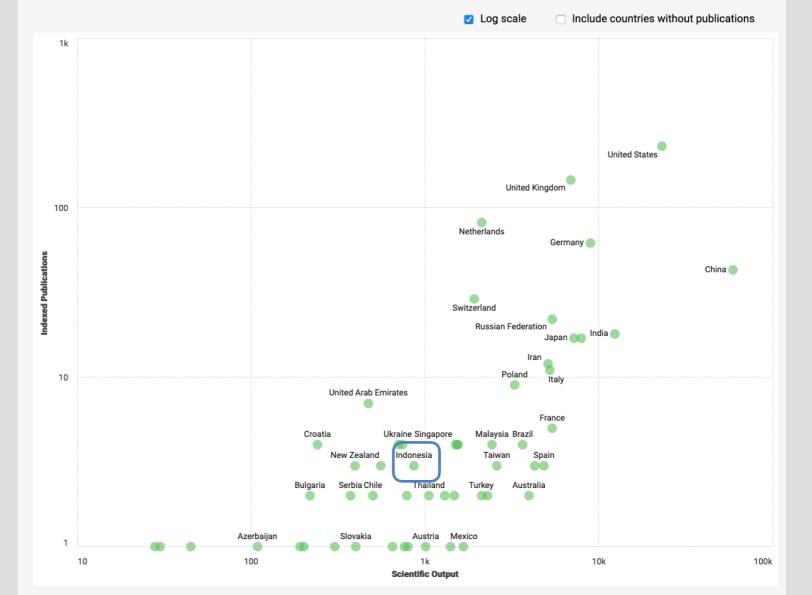
Scimagojr -> VizTools -> Country graph > scatter plot

Indexed pubs vs Scientific output

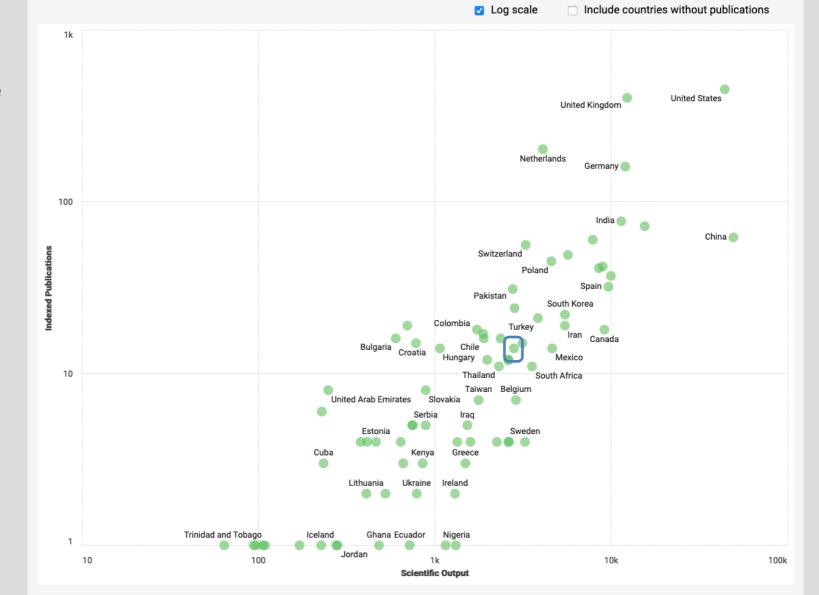
Earth and planetary science



Chemical engineering



Agriculture and biological science



Agriculture and biological science



Energy

